



# S.M.C

## Three/Four Core Aluminum, XLPE Insulated Armored /Unarmored Cables Current Rating and Voltage drop for cables & wires Up to and including 600/1000V

1. Nominal Area of Sqmm	2. In Air		3. In Ground	4. In	5. Voltage drops V/A/Km
	Unarmored	Armored	Armored	Armored	
	A		A	A	
1.5	18	18	23	19	-
2.5	24	24	29	25	-
4	32	32	38	32	16.5
6	41	41	49	41	10.2
10	55	55	64	53	6.8
16	77	77	88	72	4.2
25	96	101	113	93	1.93
35	118	123	136	110	2.70
50	144	149	160	131	1.45
70	183	188	198	163	0.97
95	226	232	237	195	0.72
120	264	270	270	224	0.58
150	301	309	302	252	0.47
185	350	357	344	286	0.39
240	417	422	398	332	0.32
300	482	483	447	375	0.26
400	562	570	499	412	0.21

### Operating Conditions

Ambient air temperature: 30°C

Ground Temperature: 20°C

Depth of Laying: 0.5 m

Thermal resistivity of soil: 1.2 K.m/W